Soft base station system based on fiber optic stretch and synchronous method thereof

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Abstract of **CN1464666**

The invention discloses a soft base station system and process of synchronizing based on optical fiber zooming out. Presently, direct sending stations are used to expand the signal coverage in the mobile communication network, but noise level and low sensitivity are also brought in. The soft base station system based on optical fiber will transform the radio frequency signal directly coupled fromthe large capacity base station into optical signal through analog optical modulation, which will be transmitted to the soft base station via. the optical fiber, the soft base station will transform the optical signal into the electrical signal, which will radiate to the needed coverage via the service antenna. Apart from all the advantages resulted from using digital transmission and receiving machine, the soft base station has bee proved to increase system capacity, improve the network quality and reduce the occurrence of disconnection.